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UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.		ADDRESS TO:	Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)		
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)		
3. <input checked="" type="checkbox"/> Specification [Total Pages <u>45</u>] (preferred arrangement set forth below)	a. <input type="checkbox"/> Computer Reader Form (CRF)		
- Descriptive title of the Invention	b. Specification Sequence Listing on:		
- Cross Reference to Related Applications	i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or		
- Statement Regarding Fed sponsored R & D	ii. <input type="checkbox"/> Paper		
- Reference to sequence listing, a table, or a computer program listing appendix	c. <input type="checkbox"/> Statements verifying identity of above copies		
- Background of the Invention			
- Brief Summary of the Invention			
- Brief Description of the Drawings (if filed)			
- Detailed Description			
- Claim(s)			
- Abstract of the Disclosure			
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>17</u>]			
5. Oath or Declaration [Total Sheets <u>2</u>]			
a. <input checked="" type="checkbox"/> Newly executed (original or copy)	9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))		
b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of (when there is an assignee) Attorney		
i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	11. <input type="checkbox"/> English Translation Document (if applicable)		
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations		
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:	13. <input type="checkbox"/> Preliminary Amendment		
<input type="checkbox"/> Continuation	14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)		
<input type="checkbox"/> Divisional	15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)		
<input checked="" type="checkbox"/> Continuation-In-part (CIP)	16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.		
of prior application No.: <u>10/127,160</u>	17. <input type="checkbox"/> Other:		
<p>Prior application information: <u>Examiner</u> <u>Art Unit: 1722</u></p> <p>For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</p>			
19. CORRESPONDENCE ADDRESS			
<input checked="" type="checkbox"/> Customer Number: <u>08840</u>		 OR <input type="checkbox"/> Correspondence address below	
Name			
Address	PATENT TRADEMARK OFFICE		
City	State	Zip Code	
Country	Telephone	Fax	
Name (Print/Type)	Christian E. Schuster, Esq.		Registration No. (Attorney/Agent)
			43908

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,150.00)

Complete if Known

Application Number	Not Yet Assigned
Filing Date	Filed Concurrently Herewith
First Named Inventor	Vivek M. SAMPLE
Examiner Name	
Art Unit	1722
Attorney Docket No.	01-1550

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number
01-1000

Deposit Account Name
Alcoa Inc.

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments

Charge any additional fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	2251 55	Extension for reply within first month	
1252 410	2252 205	2252 205	Extension for reply within second month	
1253 930	2253 465	2253 465	Extension for reply within third month	
1254 1,450	2254 725	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	2255 985	Extension for reply within fifth month	
1401 320	2401 160	2401 160	Notice of Appeal	
1402 320	2402 160	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	2502 235	Design issue fee	
1503 630	2503 315	2503 315	Plant issue fee	
1460 130	1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40.00
1809 750	2809 375	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) _____

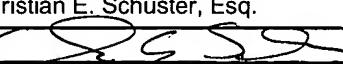
*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Christian E. Schuster, Esq.	Registration No. (Attorney/Agent)	43908	Telephone	724-337-2489
Signature				Date	07/28/2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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